



PATENT

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Date 4/8/02

  
Susan D. Betcher

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : John d'Arc Lorenz, II et al.  
Application No. : 10/072,651  
Filed : February 6, 2002  
For : METHOD AND APPARATUS FOR TREATING  
WATER FOR USE IN IMPROVING THE INTESTINAL  
FLORA OF LIVESTOCK AND POULTRY

Art Unit : 1724  
Docket No. : 430117.412C1  
Date : April 8, 2002

Commissioner for Patents  
Washington, DC 20231

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicants wish to make known to the Patent and Trademark Office the 71 references set forth on the attached Form PTO-1449. This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior Application No. 09/575,727, filed August 4, 2000. The references listed on the attached Form PTO-1449 were submitted to and/or cited by the Patent and Trademark Office in this prior application and, therefore, are not required to be provided in this application. If the Examiner wishes, copies will be provided upon request. As to any reference supplied, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such reference, as by a showing under 37 C.F.R. § 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office

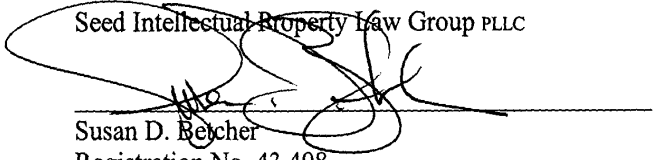
in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Respectfully submitted,

John D'Arc Lorenz, II et al.

Seed Intellectual Property Law Group PLLC



Susan D. Betcher  
Registration No. 43,498

SDB:sd

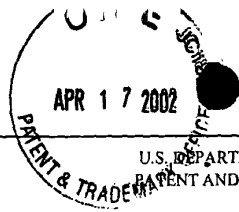
Enclosures:

Postcard

Form PTO-1449

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FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
430117.412C1APPLICATION NO.  
10/072,651**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

APPLICANTS

John d'Arc Lorenz, II et al.

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1724

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	1,217,643	02/27/17	Schneider	204	271	
	AB	1,862,663	06/14/32	Curtis			
	AC	2,468,357	04/26/49	Brown	204	248	
	AD	2,658,033	11/03/53	Ferris	204	152	
	AE	2,864,750	12/16/58	Hughes, Jr. et al.	204	149	
	AF	3,095,365	06/25/63	Green	204	229	
	AG	3,523,891	08/11/70	Mehl	210	44	
	AH	3,654,119	04/04/72	White et al.	204	228	
	AI	3,728,245	04/17/73	Preis et al.	204	275	
	AJ	3,819,504	06/25/74	Bennett	204	289	
	AK	3,865,710	02/11/75	Phipps	204	228	
	AL	3,925,176	12/09/75	Okert	204	152	
	AM	3,943,044	03/09/76	Fenn, III et al.	204	149	
	AN	4,017,375	04/12/77	Pohto	204	255	
	AO	4,061,556	12/06/77	Reis et al.	204	271	
	AP	4,107,021	08/15/78	Okazaki	204	263	
	AQ	4,119,517	10/10/78	Hengst	204	229	

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		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AR	105,641	05/25/17	Great Britain		
	AS	2.150.168	03/30/73	France		

**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

	AT	AWS Application Sheet, "Improved Poultry Production with Purified, Hyper-Oxygenated Water" (May 1988)
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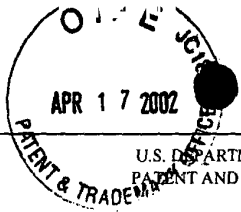
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	AU	4,119,520	10/10/78	Paschakarnis et al.	204	276	
	AV	4,132,620	01/02/79	Nidola et al.	204	242	
	AW	4,160,716	07/10/79	Wiseman	204	270	
	AX	4,180,445	12/25/79	Bennett et al.	204	129	
	AY	4,312,736	01/26/82	Menth et al.	204	255	
	AZ	4,385,973	05/31/83	Reis et al.	204	149	
	BA	4,419,206	12/06/83	Frame	204	228	
	BB	4,425,216	01/10/84	Neymeyer	204	270	
	BC	4,436,601	03/13/84	Branchick et al.	204	149	
	BD	4,451,341	05/29/84	Miller	204	149	
	BE	4,481,096	11/06/84	Okazaki	204	265	
	BF	4,528,083	07/09/85	LaConti et al.	204	265	
	BG	4,572,775	02/25/86	Paniagua	204	229	
	BH	4,623,436	11/18/86	Umehara	204	149	
	BI	4,639,303	01/27/87	Staab et al.	204	258	
	BJ	4,761,208	08/02/88	Gram et al.	204	95	
	BK	4,781,805	11/01/88	Dahlgren	204	149	

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		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
	BL	WO 87/01690	03/26/87	PCT	
	BM	XP-002191431	10/23/92	Abstract Only	X

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	BN	The Advanced Water Systems Incorporated, "The Water Technologies," company brochure regarding information on various products to improve water quality, different types of water systems and current technology, September 30, 1993.
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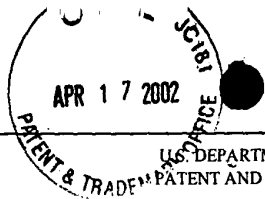
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FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 430117.412C1	APPLICATION NO. 10/072,651
<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)		APPLICANTS John d'Arc Lorenz, II et al.	
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BO	4,783,246	11/08/88	Langeland et al.	204	95	
	BP	4,784,735	11/15/88	Sorenson	204	98	
	BQ	4,790,914	12/13/88	Sorenson	204	98	
	BR	4,797,182	01/10/89	Beer et al.	204	14.1	
	BS	4,839,007	06/13/89	Kötz et al.	204	149	
	BT	4,917,782	04/17/90	Davies	204	152	
	BU	4,936,979	06/26/90	Brown	210	85	
	BV	5,062,940	11/05/91	Davies	204	228	
	BW	5,100,502	03/31/92	Murdoch et al.	156	643	
	BX	5,292,412	03/08/94	Pitton	204	149	
	BY	5,324,398	06/28/94	Erickson et al.	204	149	
	BZ	5,328,584	07/12/94	Erickson et al.	204	229	
	CA	5,389,214	02/14/95	Erickson et al.	204	149	
	CB	5,427,667	06/27/95	Bakhir et al.	204	260	
	CC	5,460,702	10/24/95	Birkbeck et al.	204	149	
	CD	5,728,287	03/17/98	Hough et al.	205	743	
	CE	5,759,384	06/02/98	Silveri	205	743	

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		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	CF	0 537 526 A1	04/21/93	EP		
	CG	WO 95/21795	08/17/95	PCT		

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CH	Weltzien, Erika, "Water Quality for Poultry," in World Poultry Congress, Canada Poultryman (May 2000)
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FORM PTO-1449  
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CI	5,876,575	03/02/99	Kump	204	197	
	CJ	5,911,870	06/15/99	Hough	205	701	
	CK	5,919,374	07/06/99	Harvey et al.	210	753	
	CL	5,928,503	7/27/99	Shang-Chun	210	86	
	CM	5,993,669	11/30/99	Fulmer	210	716	

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		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
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	CN	0 711 730 A1	05/15/96	EP		
	CO	WO 98/04502	02/05/98	PCT		
	CP	WO 98/46532	10/22/98	PCT		
	CQ	WO 99/16715	04/08/99	PCT		
	CR	WO 99/24369	05/20/99	PCT		
	CS	1 074 515 A2	02/07/01	EP		

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